



UNITED STATES PATENT AND TRADEMARK OFFICE

A

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,042	11/27/2001	Robert H. Wright	36968/262349	9679

23552 7590 09/20/2005

MERCHANT & GOULD PC
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

EXAMINER

VEILLARD, JACQUES

ART UNIT	PAPER NUMBER
----------	--------------

2165

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/995,042

Applicant(s)

WRIGHT ET AL.

Examiner

Jacques Veillard

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2,3,6,18-24,42-44 and 47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2,3,6,18-24,42-44 and 47 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/2/2005 has been entered.

2. This action is in response to the applicant's amendment filed on 9/2/2005.

Claims 2-3, 6, 18-24, 42-44, and 47 are pending and presented for examination, upon which claims 2, 3, 6, 18, 24, and 42 have been amended, claims 1, 4, 5, 7-17, 25-41, 45, and 46 have been canceled.

Claim Objections

3. Claim 24 is objected to because of the following informalities: the phrase "deleing" recites in line 20 should be -- deleting--. Appropriate correction is required.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

Art Unit: 2165

such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2, 3, 6, 18-24, 42-44, and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brandt et al. (U. S. Pat. No. 6,714,979) in view of Hartmann et al. (U. S. Pub. 2003/0055976).

As per claim 18, Brandt et al. disclose “A data warehouse infrastructure for web based reporting tool” by providing a common graphical user interface enabling the requesting, customizing, scheduling and viewing of various types of prices call detail (See Brandt et al. title, the abstract and col.1, lines 20-24). In particular, Brandt et al. disclose the claimed limitations of “receiving customer data, including in a mainframe database system based on a plurality of customer requests” by providing a data warehouse legacy system permitting to receive data (See Brandt et al. Fig.3 component 80, and col.6, lines 54-60); generating a report for each of the plurality of customer requests based on the customer data in the mainframe database system (See Brandt et al. col.3, lines 49-59); assigning a unique report number for each of the generated reports (See Brandt et al. col.10, lines 46-49); providing summaries of the generated reports as a customer list(See Brandt et al. col.3, line 65 through col.4, line 12, col.16, line 64 through col.17, line 6, col.23, lines 52-61, col.24, lines 23-56); “importing selected data from the provided report summaries into a spreadsheet”(See Brandt et al. col.28, lines 37-43); connecting to the mainframe database system with a computer acting as a terminal emulator(See Brandt et al. Fig.3 component 50 and col.10, lines 16-35); submitting a print request to the mainframe system from the terminal emulator to print selected reports based on information in the spreadsheet for at least one of the generated reports” (See Brandt et al. col.13, lines 7-12, lines 22-29, col.25, lines 14-23, col.28, lines 8-48 and col.29, lines 10-11); “providing the selected reports” (See Brandt et al.

Art Unit: 2165

col.28, line 44, and col.29, line 11); “saving the provided reports as word processing documents” (See Brandt et al. col.27, lines 57-62, col.33, lines 10-11, and col.41, lines 47-50); and “storing the saved reports on a storage device” (See Brandt et al. abstract, lines 5-10, and col.3, lines 45-48).

It is noted, however, Brandt et al. did not specifically disclose a terminal emulator and a printer emulator. On the other hand, Hartmann et al. achieved this claimed feature by providing a system and method for servers display confirmation record response in a connection oriented client/server network as a terminal emulator connected with a printer emulator which allows the system to print reports (See Hartmann et al. page 1 section [0009], page 4 section [0040], and page 6 section [0045]).

It would have been obvious to one of ordinary skill in the art the art at the time of the Applicant's invention to modify the data warehousing infrastructure for web based reporting tool of Brandt et al. by incorporating a printer emulator mechanism taught by Hartmann et al. The motivation being to have enhanced the data warehousing system of Brandt et al. by allowing it to access the request display or printer device in order to print reports of customers quickly and efficiently.

As per claims 2, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein customer data comprises customer names, locations, and service request dates” (See Brandt et al. Fig. 10 and corresponding text, and col.20, lines 14-34).

Art Unit: 2165

As per claims 3, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein the selected data comprises report numbers and service request dates” (See Brandt et al. col.20, lines 14-34, and col.26, lines 50-52).

As per claim 6, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein a terminal operator selects the at least one report by viewing the spreadsheet”(See Brandt et al. Fig.3, component 50, col.7, lines 62-63, and col.28, lines 37-43).

: As per claim 19, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein a file name for each saved report comprises the report number”(See Brandt et al. col.26, lines 50-52).

As per claim 20, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein the storage device comprises a file server” (See Brandt et al. abstract, lines 10-13, and col.3, lines 42-48).

As per claim 21, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein a single computer comprises the printer emulator and the terminal emulator” (See Hartmann et al. page 4 section [0040]).

As per claim 22, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “further comprising deleting the customer data from the mainframe database system” (See Brandt et al.col.36, lines 20-22).

As per claims 23, the claim has substantially the same limitations as claim 22. These limitations have already been addressed in the rejection of claim 22. Therefore, they are rejected on similar grounds corresponding to the arguments given to the rejected claim 22 above.

As per claim 24, most of the limitations of these claims have been noted in the rejection of claim 18. Applicant’s attention is directed to the rejection of claim 18 above. In addition, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of deleting the customer data from the mainframe database system; and deleting each generated report from the mainframe database system after the generated report is selected and provided to the printer emulator (See Brandt et al. col.26, lines 3-36, col.28, lines 17-23, col.34, line 66 through col.35, line 13, col.41, lines 6-10, and col.49, lines 59-62). Therefore, it is rejected on similar grounds corresponding to the arguments given to the rejected claims 18 above.

It would have been obvious to one of ordinary skill in the art the art at the time of the Applicant’s invention to modify the data warehousing infrastructure for web based reporting tool of Brandt et al. by incorporating a printer emulator mechanism taught by Hartmann et al. The motivation being to have enhanced the data warehousing system of Brandt et al. by allowing it to access the request display or printer device in order to print reports of customers quickly and efficiently.

As per claim 42, most of the limitations of these claims have been noted in the rejection of claim 18. Applicant's attention is directed to the rejection of claim 18 above. In addition, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of "a file server in communication with the computer (See Brandt et al. abstract, lines 10-14). The Brandt system is integrated with a database server corresponding to a file server. Therefore, it is rejected on similar grounds corresponding to the arguments given to the rejected claims 18 above.

It would have been obvious to one of ordinary skill in the art the art at the time of the Applicant's invention to modify the data warehousing infrastructure for web based reporting tool of Brandt et al. by incorporating a printer emulator mechanism taught by Hartmann et al. The motivation being to have enhanced the data warehousing system of Brandt et al. by allowing it to access the request display or printer device in order to print reports of customers quickly and efficiently.

As per claim 43, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of "further comprising a local area network in communication with the file server" (See Brandt et al. col.12, lines 1-12).

As per claim 44, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of "wherein the stored reports are accessible from the local area network"(See Brandt et al. col.9, lines 50-67).

Art Unit: 2165

As per claim 47, the combination of Brandt et al. and Hartmann et al., as modified, discloses the claimed limitations of “wherein the printed reports are stored on the file server as word processing documents”(See Brandt et al. col.27, lines 57-62, col.33, lines 10-11, and col.41, lines 47-50).

Other Prior Art Made Of Record

6. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure. U.S. patents and U.S. patent application publications will not be supplied with Office actions. Examiners advises the Applicant that the cited U.S. patents and patent application publications are available for download via the Office's PAIR. As an alternate source, all U.S. patents and patent application publications are available on the USPTO web site (www.uspto.gov), from the Office of Public Records and from commercial sources. For the use of the Office's PAIR system, Applicants may refer to the Electronic Business Center (EBC) at <http://www.uspto.gov/ebc/index.html> or 1-866-217-9197.

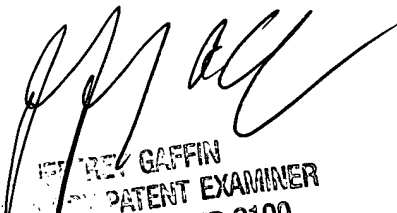
Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacques Veillard whose telephone number is (571) 272-4086. The examiner can normally be reached on Mon. to Fri. from 9 AM to 4:30 PM, alt. Fri. off..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (571) 272- 4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2165

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JEFFREY GAFFIN
PATENT EXAMINER
CENTER 2100

J.V

Jacques Veillard
Patent Examiner AU 2165

September 14, 2005